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Lockheed Martin receive \$6.6 million for ACIP support

by Francis L. Crumb, Information Directorate

ROME, N.Y. — The Air Force Research Laboratory Information Directorate has awarded a \$6,625,983 contract to Lockheed Martin of Cherry Hill, N.J.

The two-year agreement is being funded by the Defense Advanced Research Projects Agency of Arlington, Va., in support of its Architectures for Cognitive Information Processing program. This effort, titled, “Polymorphic Computing Agent Architecture (PCAA)” is a research and development study to evaluate a new generation of computing hardware and software that will enable revolutionary advances in cognitive information processing algorithms and systems.

“The Lockheed-Martin team will investigate the development of a new computing architecture capable of runtime organization of cognitive software agents that transforms sequen-

tial cognitive tasks into sets of parallelized, linearly scalable tasks,” said Christopher J. Flynn, program manager in the directorate’s Information Technology Division. “PCAA will enable efficient processing of previously prohibitively complex cognitive computations.”

Initial research under this effort will identify the impact of PCAA on unmanned aerial vehicle route planning, sensor management, in-flight re-tasking, and derivation of enemy intent; as well as identify the impact of the technology on intelligence processing domains. The contract will result in the delivery of software and a final report

Robert K. Stadelmaier of the directorate’s Contracting Division negotiated the agreement. @